

Public Health Reports

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WASHINGTON, D. C., APRIL 8, 1898.

No. 14.

UNITED STATES.

[Reports to the Supervising Surgeon-General United States Marine-Hospital Service.]

Smallpox in Middlesborough, Ky.—(Continued.)

MIDDLESBOROUGH, KY., *March 28, 1898.*

SIR: I have the honor to report that the situation here is rapidly improving, and that the epidemic is under control. Only 2 cases have developed since March 22, and for the past six days no case has developed. Isolation of cases and suspects, and disinfection of houses and clothing have been prompt.

The disinfecting division is now at work disinfecting houses that are suspicious, houses in which cases of smallpox had occurred previous to the arrival of the Service, and which have been unoccupied since.

The inspection service has been thorough, and for the past five days has been directed particularly to the infected district, which is occupied chiefly by negroes, but no case of smallpox has been found.

There are 32 cases in the smallpox hospital this morning, a good many of which will be discharged within the next few days. There are 23 suspects in the detention camp this morning; a majority of them will have covered their period of detention this week.

I think that the quarantine of the city, which was put on by the State board of health on February 28, 1898, can be raised by Monday, April 4, 1898, and all guards, except those for the smallpox hospital and detention camp, be discharged. * * *

Respectfully, yours,

C. P. WERTENBAKER,
Passed Assistant Surgeon, U. S. M. H. S.

Smallpox in Mobile and Hurricane Bayou.

MOBILE, ALA., *April 1, 1898.*

SIR: I have the honor to report that 3 cases of smallpox have been discovered since my report of the 27th ultimo, 2 in colored persons who

have been sent to the pesthouse, and 1 in a white man who is cared for at his home 3 miles in the country.

Five cases were discovered yesterday in railroad hands at Hurricane Bayou, 15 miles northeast from here. These will be cared for at a camp by the Louisville and Nashville Railroad Company.

I am, very respectfully, your obedient servant,

R. D. MURRAY,
Surgeon, U. S. M. H. S.

Smallpox on the British steamship Belgic.

NATIONAL QUARANTINE STATION,
Angel Island, Cal., March 23, 1898.

SIR: I have the honor to report that the British steamship *Belgic*, from Chinese and Japanese ports via Honolulu, arrived March 21, reporting a case of confluent smallpox in the pustular stage, disembarked at Yokohama. The patient was a Chinese steerage passenger from Hong-kong.

Dr. Stuart Eldridge, our sanitary inspector at Yokohama, sent a note accompanying the bill of health, explaining the facts, and stating that on account of the lack of facilities the necessary precautions required by our regulations could not be taken. All well upon arrival here, eighteen days after the case was disembarked.

The cabin and second-cabin passengers were released. The vessel was given a general disinfection. All the Chinese and Japanese (86) of the crew were bathed and their effects disinfected. The steerage passengers (176) were similarly treated, and will be held a few days under observation, awaiting developments.

Respectfully, yours,

M. J. ROSENAU,
Passed Assistant Surgeon, U. S. M. H. S.

Two cases of smallpox at Little Rock, Ark.

LITTLE ROCK, ARK., March 31, 1898.

SIR: I have the honor to supplement my telegram of this date with the following report of the 2 cases of smallpox in this city.

The first case, that of a negro man 23 years of age, a resident of this place, developed fourteen days since, and up to yesterday was treated for chicken pox. He has not been out of this city recently, and the source of contagion has not been ascertained.

The second case, negro man aged 21 years, occurred four days after the first, and was until yesterday regarded as chicken pox. While the cases are in the same part of town, there is no evidence that they were ever together, or contracted the disease from a common source. On account of the mistaken diagnosis, the friends of the men affected visited them without restraint, and perhaps as many as 150 persons have been exposed.

The city board of health has taken charge of the situation, removed the 2 cases to a pesthouse outside the city, and are doing all they can to control the disease.

Very respectfully,

L. P. GIBSON,
Acting Assistant Surgeon, U. S. M. H. S.

Smallpox in Tennessee.

NASHVILLE, TENN., April 1, 1898.

SIR: The following is a list of points infected, together with number of cases of smallpox developed in Tennessee, during the month of March; also showing the original source of infection:

| Points infected. | White. | Colored. | Totals. | Original source of infection. |
|--------------------------------------|--------|----------|---------|-------------------------------|
| Chattanooga, Hamilton County..... | | 12 | 12 | Birmingham, Ala. |
| Bristol, Sullivan County..... | 1 | | 1 | Wise County, Va. |
| Rockford, Blount County..... | 1 | | 1 | Knoxville, Tenn. |
| Morristown, Hamblen County..... | 5 | | 5 | Unknown. |
| Shields Ferry, Hamblen County..... | 4 | | 4 | Middlesborough, Ky. |
| Knoxville, Knox County..... | 4 | 13 | 17 | Do. |
| Johnson City, Washington County..... | | 2 | 2 | Do. |
| Rutledge, Grainger County..... | 11 | | 11 | Do. |
| Mingo, Claiborne County..... | | 1 | 1 | Do. |
| Sprowles, Claiborne County..... | 1 | | 1 | Do. |
| Elk Valley, Campbell County..... | 1 | | 1 | Do. |
| Jellico, Campbell County..... | | 1 | 1 | Jellico, Ky. |
| Total (white and colored)..... | | | 57 | |

At all of the above infected points the usual precautions have been observed, including isolation, vaccination, and disinfection.

Very respectfully,

J. A. ALBRIGHT, M. D.,
Secretary and Executive Officer.

Case of smallpox in Washington, D. C.

HEALTH DEPARTMENT, DISTRICT OF COLUMBIA,
Washington, D. C., April 4, 1898.

SIR: I have the honor to inform you that a case of smallpox in this District was reported to this department on the 2d instant. The patient, Charles Hall, colored, 20 years of age, arrived here from Knoxville, Tenn., on the 25th ultimo, and entered Freedman's Hospital on the following day, where he was when the disease developed.

Very respectfully,

WM. C. WOODWARD, M. D.,
Health Officer.

Inspection of immigrants at Philadelphia in March, 1898.

PHILADELPHIA, PA., April 4, 1898.

SIR: I have the honor to report that 517 immigrants were inspected at this port during the month of March, 1898. There were no rejections, nor patients of the immigration department examined during the same time.

Respectfully, yours,

FAIRFAX IRWIN,
Surgeon, U. S. M. H. S.

Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to April 8, 1898.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|---|---------------------|--------|---------|-------------------------|
| Alabama: | | | | |
| Bessemer..... | Jan. 6..... | 42 | | |
| | Jan. 9-Jan. 26.... | 78 | | |
| | Jan. 30-Feb. 19.... | 23 | | |
| Birmingham..... | Jan. 6-Jan. 8.... | 11 | | |
| | Jan. 9-Jan. 26.... | 29 | | |
| | Jan. 30-Feb. 19.... | 7 | | |
| In Jefferson county, outside of the city..... | Feb. 6-Feb. 19.... | 26 | | |
| Carneys Bluff..... | Feb. 17..... | | | Smallpox reported. |
| Corona..... | Mar. 4..... | 1 | | |
| Dolomite..... | Dec. 1-Jan. 17.... | 21 | | |
| Gosport..... | Feb. 17..... | | | Do. |
| Glendon..... | Feb. 17..... | | | Do. |
| Haynesville..... | Mar. 11..... | 400 | | |
| Horse Creek Mine..... | Mar. 4..... | 3 | | |
| Hurricane Bayou..... | Mar. 31..... | 5 | | |
| Jackson..... | Feb. 17..... | 10 | | |
| Mobile..... | Feb. 5-Apr. 1.... | 36 | 1 | |
| Montevallo..... | Mar. 3..... | 1 | | |
| Newton..... | Jan. 15-Feb. 2.... | 7 | | |
| Nichola..... | Feb. 17..... | | | Do. |
| Oxmar..... | Jan. 19..... | | | Do. |
| Patton..... | Feb. 1-Mar. 4.... | 9 | | |
| Pinckard..... | Feb. 2..... | 50 | | |
| Rock Springs..... | Mar. 11..... | 15 | | |
| Salitpa..... | Feb. 17..... | | | Do. |
| Selma..... | Jan. 13-Feb. 14.... | 3 | | |
| Shelby..... | Jan. 28..... | 1 | | |
| Talladega..... | Jan. 9-Jan. 26.... | 41 | | |
| | Jan. 27-Feb. 15.... | 4 | | |
| Walker Springs..... | Feb. 17..... | | | Smallpox reported. |
| Arkansas: | | | | |
| Fair Oaks..... | Mar. 1..... | 5 | | |
| Little Rock..... | Mar. 31..... | 2 | | |
| District of Columbia: | | | | |
| Washington..... | Feb. 7..... | 1 | | Naval Hospital. |
| | Apr. 2..... | 1 | | |
| Florida: | | | | |
| Jacksonville..... | Mar. 20-Mar. 26.... | 1 | | |
| Washington County..... | Jan. 24..... | 12 | | |
| Georgia: | | | | |
| Atlanta..... | Jan. 17..... | 131 | | Most cases from county. |
| | Jan. 18-Jan. 25.... | 18 | 1 | |
| | Jan. 26-Feb. 16.... | 29 | 1 | |
| Cartersville..... | Jan. 15-Mar. 1.... | 9 | 1 | |
| Griffin..... | Feb. 12..... | 2 | | |
| Macon..... | Jan. 15-Apr. 1.... | 64 | 1 | |
| Stilesboro..... | Jan. 15..... | | | Smallpox reported. |
| Indiana: | | | | |
| Evansville..... | Feb. 26..... | 1 | | |
| Kentucky: | | | | |
| Butler..... | Feb. 8-Feb. 24.... | 1 | | |
| Middlesborough..... | Feb. 3-Mar. 14.... | 176 | 2 | |
| Louisiana: | | | | |
| New Orleans..... | Mar. 13-Apr. 2.... | 3 | | |
| Massachusetts: | | | | |
| Greenfield..... | Feb. 5-Feb. 22.... | 1 | | |
| Westfield..... | Feb. 20-Mar. 2.... | 1 | | |
| Michigan: | | | | |
| Ionia..... | Mar. 20-Mar. 26.... | | | Do. |
| Royal Oak..... | Feb. 12-Mar. 12.... | 1 | | |
| New Jersey: | | | | |
| Westfield..... | Mar. 4..... | 1 | | |
| New Mexico: | | | | |
| Albuquerque and vicinity..... | Mar. 5-Apr. 1.... | 14 | | |
| New York: | | | | |
| Deposit..... | Nov. 1-Nov. 30... | 1 | | |
| North Carolina: | | | | |
| Alamance County..... | Feb. 18-Feb. 25.... | 1 | | |
| Charlotte..... | Jan. 25..... | 2 | | |
| | Jan. 26-Feb. 12.... | 2 | | |
| Clay County..... | Feb. 15-Feb. 24.... | 3 | | |
| Wilmington..... | Jan. 12..... | 1 | | |
| South Carolina: | | | | |
| Arkwright..... | Mar. 25..... | 9 | | |
| Beaufort..... | Jan. 17..... | | | Do. |
| Dyson..... | Mar. 25..... | 3 | | |
| Greenville..... | Jan. 17..... | | | Do. |
| Orangeburg..... | Jan. 17..... | | | Do. |

Smallpox in the United States, etc.—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------------|-----------------|--------|---------|--------------------|
| South Carolina—Continued. | | | | |
| Pelham | Mar. 25 | 20 | | |
| Ridge Springs | Mar. 25 | 1 | | |
| Rock Hill | Jan. 17 | | | Smallpox reported. |
| Spartanburg | Jan. 17 | | | Do. |
| Swansea | Jan. 15 | | | Do. |
| Tennessee: | | | | |
| Bristol | Mar. 1-Mar. 31 | 1 | | |
| Chattanooga | Jan. 1-Jan. 29 | 1 | | |
| | Feb. 1-Mar. 31 | 19 | | |
| Elk Valley | Mar. 1-Mar. 31 | 1 | | |
| Huntington (near) | Jan. 1-Jan. 29 | 1 | | |
| Jellico | Feb. 1-Mar. 31 | 9 | | |
| Johnson City | Feb. 1-Mar. 31 | 13 | | |
| Knoxville | Jan. 1-Jan. 29 | 3 | | |
| | Feb. 1-Mar. 31 | 28 | | |
| Lenoir City | Jan. 1-Jan. 29 | 2 | | |
| | Feb. 1-Feb. 28 | 3 | | |
| Memphis | Jan. 22-Jan. 29 | 1 | | |
| | Jan. 30-Feb. 10 | 1 | | |
| Mingo mines | Jan. 1-Jan. 29 | 6 | | |
| Mingo | Feb. 1-Mar. 31 | 3 | | |
| Morristown | Feb. 1-Mar. 31 | 6 | | |
| Newcomb | Feb. 1-Feb. 28 | 3 | | |
| Rockford | Mar. 1-Mar. 31 | 1 | | |
| Rutledge | Feb. 1-Mar. 31 | 12 | | |
| Shields Ferry | Mar. 1-Mar. 31 | 4 | | |
| Sprowles | Mar. 1-Mar. 31 | 1 | | |
| Texas: | | | | |
| Brownsville | Feb. 26 | 1 | | |
| Virginia: | | | | |
| Colburn | Feb. 1 | | | Smallpox reported. |
| Norfolk | Mar. 1-Mar. 10 | 2 | | |
| Norton | Feb. 1 | | | Do. |
| West Virginia: | | | | |
| Bluefield | Feb. 25 | 5 | | |

Report of immigration at Boston for the week ended April 2, 1898.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, April 2, 1898.

*Number of alien immigrants who arrived at this port during the week ended April 2, 1898;
also names of vessels and ports from which they came.*

| Date. | Vessel. | Wherefrom. | No. of Im- migrants. |
|---------|-------------------------|-----------------------|-------------------------|
| Mar. 27 | Steamship Baltimore | London, England | 18 |
| Do. | Steamship Ottoman | Liverpool, England | 22 |
| Do. | Steamship Boston | Yarmouth, Nova Scotia | 211 |
| Mar. 28 | Steamship Beverly | Port Morant, Jamaica | 7 |
| Do. | Steamship Philadelphian | Liverpool, England | 18 |
| Mar. 29 | Steamship Prince Edward | Yarmouth, Nova Scotia | 60 |
| Do. | Steamship Sachem | Liverpool, England | 1 |
| Mar. 30 | Steamship Barnstable | Port Antonio, Jamaica | 8 |
| Do. | Steamship Norwegian | Glasgow, Scotland | 52 |
| Mar. 31 | Steamship Boston | Yarmouth, Nova Scotia | 165 |
| Do. | Steamship Halifax | Halifax, Nova Scotia | 85 |
| Apr. 1 | Steamship Etolia | Avonmouth, England | 12 |
| Do. | Steamship Columbian | London, England | 33 |
| Do. | Steamship Prince Edward | Yarmouth, Nova Scotia | 29 |
| Do. | Steamship Hindoo | Hull, England | 17 |
| Apr. 2 | Steamship Cephalonia | Liverpool, England | 245 |
| Total | | | 983 |

GEORGE B. BILLINGS,
Commissioner.

*Report of immigration at New York for the week ended April 2, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of New York, April 4, 1898.**Number of alien immigrants who arrived at this port during the week ended April 2, 1898;
also names of vessels and ports from which they came.*

| Date. | Vessel. | Where from. | No. of immigrants. |
|------------|-----------------------------------|-------------------------------|--------------------|
| Mar. 27 | Steamship Albers..... | Rio de Janeiro..... | 26 |
| Do.... | Steamship Umbria..... | Liverpool and Queenstown..... | 294 |
| Do.... | Steamship La Bourgogne .. | Havre..... | 433 |
| Mar. 29 | Steamship Arabia..... | Hamburg..... | 558 |
| Do.... | Steamship Werkendam..... | Rotterdam..... | 342 |
| Mar. 30 | Steamship Ems..... | Genoa..... | 647 |
| Do.... | Steamship Noordland..... | Antwerp..... | 198 |
| Do.... | Steamship Teutonic..... | Liverpool and Queenstown..... | 482 |
| Mar. 31 | Steamship Palatia..... | Hamburg..... | 737 |
| Do.... | Steamship Friedrich der Grosse .. | Bremen..... | 815 |
| Do.... | Steamship Havel..... | do..... | 383 |
| Apr. 1 | Steamship Taormina..... | Hamburg..... | 219 |
| Do.... | Steamship Donna Maria..... | Lisbon and the Azores..... | 170 |
| Do.... | Steamship Buffon..... | Rio de Janeiro..... | 6 |
| Apr. 2 | Steamship St. Louis..... | Southampton..... | 327 |
| Do.... | Steamship Lucania..... | Liverpool and Queenstown..... | 600 |
| Do.... | Steamship California..... | Naples..... | 618 |
| Total..... | | | 6,910 |

THOMAS FITCHIE,
*Commissioner.**Report of immigration at Philadelphia for the week ended April 2, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of Philadelphia, April 4, 1898.**Number of alien immigrants who arrived at this port during the week ended April 2, 1898;
also names of vessels and ports from which they arrived.*

| Date. | Vessel. | Where from. | No. of immigrants. |
|------------|--------------------------|-------------------------------|--------------------|
| Mar. 28 | Steamship Brookline..... | Jamaica..... | 2 |
| Do.... | Steamship Rhymland..... | Liverpool and Queenstown..... | 120 |
| Mar. 29 | Steamship Roumanian..... | Glasgow..... | 3 |
| Total..... | | | 125 |

J. L. HUGHES,
Acting Commissioner.

QUARANTINE REPORTS.

National quarantine and inspection stations.

[Vessels named only when detained or given treatment at quarantine.]

| Name of station. | Week ended. | Name of vessel. | Date of arrival. | Port of departure. | Destination. | Treatment of vessel, passengers, and cargo. | Date of departure. | Remarks. | Vessels inspected and passed. |
|---|-------------|---------------------|------------------|--------------------------|----------------|---|--------------------|---|-------------------------------|
| Alexandria, Va..... | Apr. 2 | | | | | | | | 1 |
| Brunswick, Ga..... | Mar. 26 | | | | | | | | 4 |
| Cape Charles, Va..... | Apr. 2 | | | | | | | | 9 |
| Cape Fear, N. C..... | do. | | | | | | | | 4 |
| Delaware Breakwater | do. | | | | | | | | 3 |
| Quarantine, Del..... | do. | | | | | | | | 2 |
| Eureka, Cal..... | Mar. 30 | | | | | | | No report..... | |
| Grays Harbor, Wash..... | Mar. 26 | | | | | | | No transactions..... | |
| Gulf Quarantine, Ship Island, Miss..... | Mar. 26 | Nor. bk. Dilbhur | Mar. 25 | Montevideo via Barbados. | Mobile | Disinfected and held. | | 2 men left at Barbados said to have typhoid fever. | 3 |
| Newbern, N. C..... | Apr. 2 | | | | | | | No transactions..... | |
| Port Townsend, Wash..... | Mar. 26 | | | | | | | 16 steerage passengers from Jap. ss. Kiusiu Maru bathed and their clothing and effects disinfected. | 5 |
| Reedy Island Quarantine, Del..... | Apr. 2 | | | | | | | | 15 |
| San Diego, Cal..... | Mar. 26 | Br. ss. Belgic..... | Mar. 22 | Hongkong | San Francisco | Disinfected and released. | Mar. 22 | Case of smallpox disembarked at Yokohama. Vessel, steerage passengers (176) and crew (86) given a general disinfection and released. 2 boarded and passed. 1 passed without boarding. | 2 |
| San Francisco Quarantine, Cal..... | do. | | | | | | | | 4 |
| South Atlantic Quarantine, Blackbeard Island, Ga..... | Mar. 28 | Nor. bk. Cato..... | Mar. 11 | Para..... | Brunswick, Ga. | Disinfected and held. | Mar. 24 | No transactions..... | 5 |
| Washington, N. C..... | Apr. 2 | | | | | | | | |

QUARANTINE REPORTS—Continued.

State and municipal quarantine stations.

[Vessels named only when detained or given treatment at quarantine.]

| Name of station. | Week ended. | Name of vessel. | Date of arrival. | Port of departure. | Destination. | Treatment of vessel, passengers, and cargo. | Date of departure. | Remarks. | Vessels inspected and passed. |
|--------------------------------|-------------|---------------------|------------------|--------------------|--------------|---|--------------------|------------------|-------------------------------|
| Anclote, Fla..... | | | | | | | | No report..... | |
| Apalachicola, Fla..... | | | | | | | | do..... | |
| Bangor, Me..... | | | | | | | | do..... | |
| Boston, Mass..... | | | | | | | | do..... | 3 |
| Carrabelle, Fla..... | Apr. 2 | | | | | | | do..... | 1 |
| Charleston, S. C..... | do. | | | | | | | do..... | 3 |
| Elizabeth River, Va..... | do. | | | | | | | No report..... | |
| Galveston, Tex..... | | | | | | | | do..... | |
| Gardiner, Ore..... | | | | | | | | do..... | |
| Georgetown, S. C..... | | | | | | | | do..... | 23 |
| Grolier, Mass..... | | | | | | | | No report..... | |
| Ky. West, Monroe Co., Fla..... | Apr. 2 | | | | | | | do..... | |
| Mayport, Fla..... | | | | | | | | No report..... | 12 |
| Mobile Bay, Ala..... | Apr. 2 | | | | | | | do..... | |
| New Bedford, Mass..... | | | | | | | | No report..... | |
| New Orleans, La..... | | | | | | | | do..... | 6 |
| Newport News, Va..... | Apr. 2 | | | | | | | No report..... | |
| Newport, R. I..... | | | | | | | | do..... | |
| New York, N. Y..... | | | | | | | | do..... | |
| Port Royal, S. C..... | | | | | | | | No transactions. | |
| Providence, R. I..... | Apr. 2 | | | | | | | No report..... | |
| St. Helena Entrance, S. C..... | | | | | | | | do..... | |
| Savannah, Ga..... | Mar. 26 | Br. bk. Dera (a) .. | Mar. 16 | Habana..... | Savannah | Ballast discharged and vessel fumigated. | Mar. 25 | No report..... | |
| | | Nor. bk. Horiten.. | Mar. 20 | Bahia..... | do..... | do..... | Mar. 24 | do..... | |

a Previously reported.

Reports of States and yearly and monthly reports of cities.

ALABAMA—Mobile.—Five months ended December 31, 1897. Estimated population, 37,817. Total deaths, 392, including phthisis pulmonalis, 41; yellow fever, 48; enteric fever, 8; scarlet fever, 1; diphtheria, 2, and whooping cough, 1.

COLORADO—Denver.—Month of January, 1898. Estimated population, 167,000. Total deaths, 154, including phthisis pulmonalis, 39; enteric fever, 3; scarlet fever, 2, and diphtheria, 4.

MAINE—Portland.—Four weeks ended March 19, 1898. Estimated population, 41,500. Total deaths, 70, including phthisis pulmonalis, 5; scarlet fever, 1, and diphtheria, 3.

MICHIGAN.—Week ended March 26, 1898. Reports to the State board of health from 62 observers indicate that diarrhea and measles increased in area of prevalence. Phthisis pulmonalis was reported present during the week at 133, smallpox 1 (Ionia), measles at 55, scarlet fever at 27, enteric fever at 25, diphtheria at 17, and whooping cough at 12 places.

MINNESOTA—Winona.—Month of March, 1898. Estimated population, 22,000. Total deaths, 26, including phthisis pulmonalis, 4, and diphtheria, 1.

NEW YORK.—Month of February, 1898. Reports to the State board of health, Albany, N. Y., from 152 cities, towns, and villages show a total of 9,213 deaths, including diphtheria and croup, 275; enteric fever, 104; measles, 84; scarlet fever, 93; phthisis pulmonalis, 1,031, and whooping cough, 47.

The Monthly Bulletin says:

The 9,213 deaths reported during the month represent a death rate per 1,000 population annually of 17.60, against one of 17.00 in the month preceding, and of 19.00 in the corresponding month of last year, the average death rate for this month for the past ten years having been 18.35. The average daily mortality increased from 311 in January to 328. The mortality of early life (under five years) increased from a daily average of 78 to that of 90, and from a percentage of the total deaths of 25.0 to one of 27.5. The average daily mortality from zymotic diseases is the same as it was last month, about 30 deaths. There were, relatively, 125 more deaths from acute respiratory diseases, and 200 from other local diseases, 75 more from consumption, and an increase from causes unclassified and from old age. Compared with February, 1896, the mortality is less by 600, there having been 125 fewer deaths from zymotic diseases, and 360 fewer from consumption and acute respiratory diseases, other local diseases having about the same mortality in the two months, while old age and unclassified causes show a material decrease. Grippe is estimated to have caused 600 deaths during the month, against 400 in January and 700 in February, 1897. In rural parts of the State 5.5 per cent of the mortality was from zymotic diseases; 8.5 per cent from consumption; and 18.0 per cent from acute respiratory diseases; in the rest of the State, 10.0 per cent of the deaths were from zymotic diseases, 12.0 from consumption, and 20.0 per cent from acute respiratory diseases. Diphtheria has a

reported mortality of 275, which is less by 50 than in January, and less by 100 than in February, 1897. There is no noteworthy variation with the other diseases of the zymotic group.

NORTH CAROLINA.—Month of February, 1898. Reports to the State board of health from 23 towns having an aggregate population of 126,110 (white, 71,039; colored, 55,071), show a total of 146 deaths (white, 58; colored, 88), including phthisis pulmonalis, 24; enteric fever, 4, and measles, 2.

VIRGINIA—Lynchburg.—Month of March, 1898. Estimated population, 30,000. Total deaths, 35, including 8 from phthisis pulmonalis.

Petersburg.—Month of March, 1898. Estimated population, white, 12,000; colored, 13,000; total, 25,000. Total deaths, 48, including 4 from phthisis pulmonalis.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

| Cities. | Week ended. | Population, U. S. Census of 1890. | Total deaths from all causes. | Deaths from— | | | | | | | | | | |
|---------------------|-------------|---|----------------------------------|---------------------------|---------------|-----------|-----------|----------|---------------|----------------|----------------|-------------|----------|--------------------|
| | | | | Phthisis pul- monalis. | Yellow fever. | Smallpox. | Varicoid. | Cholera. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. |
| Allegheny, Pa. | Apr. 2 | 105,287 | 42 | | | | | | | 4 | | | 1 | |
| Altoona, Pa. | Mar. 26 | 30,437 | 9 | 1 | | | | | | | | | | |
| Amesbury, Mass. | Apr. 2 | 9,798 | 3 | 2 | | | | | | | | | | |
| Ashtabula, Ohio | do. | 8,338 | 3 | | | | | | | | | | | |
| Bennington, Vt. | Mar. 26 | 6,391 | 3 | | | | | | | | | | | |
| Binghamton, N. Y. | Apr. 2 | 35,005 | 14 | 1 | | | | | | 1 | | | | |
| Bristol, R. I. | Mar. 26 | 7,382 | 4 | 1 | | | | | | 1 | | | | |
| Brockton, Mass. | Mar. 12 | 27,294 | 3 | 2 | | | | | | | | | | |
| Do | Mar. 19 | 27,294 | 1 | 1 | | | | | | | | | | |
| Brownsville, Tex. | do. | 6,134 | 3 | 1 | | | | | | | | | | |
| Do | Mar. 26 | 6,134 | 4 | | | | | | | | | | | |
| Butler, Pa. | Apr. 2 | 8,734 | 3 | | | | | | | | | | | |
| Cambridge, Mass. | Mar. 19 | 70,028 | 25 | 4 | | | | | | | | | 1 | |
| Do | Apr. 2 | 70,028 | 27 | 4 | | | | | | | | 1 | | |
| Carlisle, Pa. | do. | 7,620 | 6 | | | | | | | | | | | |
| Charleston, S. C. | Mar. 26 | 54,955 | 637 | 8 | | | | | | | | | | |
| Cincinnati, Ohio | Apr. 1 | 296,908 | 136 | 20 | | | | | | 3 | | 1 | 5 | |
| Cleveland, Ohio | Apr. 2 | 261,353 | 101 | 2 | | | | | | 4 | | 2 | 1 | |
| Columbus, Ohio. | Apr. 1 | 88,150 | 25 | 6 | | | | | | | | 1 | 4 | |
| Concord, N. H. | Mar. 26 | 17,044 | 7 | | | | | | | | | | | |
| Do | Apr. 4 | 17,044 | 8 | | | | | | | | | | | |
| Dayton, Ohio. | Apr. 1 | 61,220 | 20 | 5 | | | | | | | | | | |
| Dedham, Mass. | Mar. 26 | 7,123 | 2 | 2 | | | | | | | 1 | 1 | 3 | |
| Denver, Colo | Mar. 19 | 106,713 | 34 | 11 | | | | | | | | | | |
| Detroit, Mich. | Apr. 2 | 265,876 | 85 | 12 | | | | | | | | 1 | | |
| Dunkirk, N. Y. | Mar. 26 | 9,416 | 5 | 1 | | | | | | | | | 1 | |
| Erie, Pa. | do. | 40,634 | 11 | | | | | | | | | | | |
| Everett, Mass. | do. | 11,068 | 4 | 1 | | | | | | 1 | | | | |
| Fall River, Mass. | Apr. 2 | 74,398 | 33 | 4 | | | | | | | | | | |
| Fitchburg, Mass. | Mar. 26 | 22,037 | 6 | | | | | | | | | | | |
| Flint, Mich. | Apr. 2 | 9,803 | 3 | | | | | | | | | | | |
| Grand Rapids, Mich. | do. | 60,278 | 15 | 5 | | | | | | | | | 1 | |
| Green Bay, Wis. | Mar. 26 | 9,069 | 5 | | | | | | | | | | | |
| Haverhill, Mass. | Apr. 2 | 27,412 | 6 | 3 | | | | | | | | | | |
| Hoboken, N. J. | do. | 43,648 | 21 | 3 | | | | | | | | | | |
| Indianapolis, Ind. | Mar. 28 | 105,436 | 42 | 9 | | | | | | | | | | |
| Ironton, Ohio. | Apr. 2 | 10,939 | 5 | 1 | | | | | | 1 | | | | |
| Jacksonville, Fla. | Mar. 26 | 17,201 | 13 | 1 | | | | | | | | | | |
| Jersey City, N. J. | Mar. 27 | 163,003 | 56 | 8 | | | | | | | | 2 | | |
| Johnstown, Pa. | Apr. 2 | 21,805 | 8 | | | | | | | | | | | |
| Kalamazoo, Mich. | do. | 17,853 | 5 | | | | | | | | | | | |
| Lancaster, Pa. | Mar. 26 | 32,011 | 11 | 1 | | | | | | | | | | |
| Lowell, Mass. | Apr. 2 | 77,696 | 31 | 3 | | | | | | 1 | | | | |
| Lynchburg, Va. | do. | 19,709 | 2 | 1 | | | | | | | | | | |
| McKeesport, Pa. | Mar. 26 | 20,741 | 9 | | | | | | | | | 1 | | |
| Do | Apr. 2 | 20,741 | 9 | | | | | | | | | | | |
| Manchester, N. H. | do. | 44,126 | 19 | | | | | | | 1 | | | | |
| Massillon, Ohio | Mar. 26 | 10,092 | 6 | | | | | | | | | | | |
| Medford, Mass. | Apr. 2 | 11,079 | 4 | 2 | | | | | | | | | | |
| Melrose, Mass. | Mar. 26 | 8,519 | 4 | 1 | | | | | | | | | | |
| Memphis, Tenn. | Apr. 3 | 64,495 | 32 | 6 | | | | | | | | | | |
| Michigan City, Ind. | Apr. 2 | 10,776 | 3 | 1 | | | | | | | | | | |
| Middletown, N. Y. | Mar. 31 | 7,681 | 13 | | | | | | | | | | | |
| Milwaukee, Wis. | Apr. 2 | 204,468 | 64 | 4 | | | | | | | | | 2 | |
| Minneapolis, Minn. | Mar. 26 | 164,738 | 53 | 5 | | | | | | 4 | | 7 | | |
| Mobile, Ala. | Apr. 2 | 31,076 | 15 | 3 | | | | | | | | 2 | | |
| Nashville, Tenn. | do. | 76,168 | 2 | | | | | | | | | | | |
| New Bedford, Mass. | do. | 40,733 | 18 | 1 | | | | | | | | | | |
| Newburyport, Mass. | Mar. 26 | 13,947 | 4 | | | | | | | | | | | |
| New Orleans, La. | do. | 242,039 | 138 | 14 | | | | | | 2 | | | | |
| Newport, R. I. | Apr. 2 | 19,457 | 5 | | | | | | | | | | | |
| Oneonta, N. Y. | do. | 6,272 | 0 | | | | | | | | | | | |
| Ottumwa, Iowa. | Mar. 5 | 14,001 | 4 | | | | | | | | | | | |
| Do | Mar. 12 | 14,001 | 3 | | | | | | | | | | | |
| Do | Mar. 19 | 14,001 | 2 | | | | | | | | | | | |
| Do | Mar. 26 | 14,001 | 4 | | | | | | | | | | | |
| Do | Apr. 2 | 14,001 | 3 | | | | | | | | | | | |
| Petersburg, Va. | Apr. 3 | 22,680 | 8 | 1 | | | | | | | | | | |
| Philadelphia, Pa. | Apr. 2 | 1,046,964 | 448 | 52 | | | | | | 12 | 3 | 18 | 12 | 5 |
| Pittsburg, Pa. | Mar. 26 | 238,617 | 99 | 8 | | | | | | 1 | | 1 | 1 | 3 |
| Pittsfield, Mass. | Apr. 2 | 17,281 | 4 | | | | | | | | | | | |
| Plainfield, N. J. | do. | 11,267 | 6 | | | | | | | | | | | |

a Estimated population, white, 28,870; colored, 36,295. Total, 65,165. b White, 7; colored, 30.

Table of temperature and rainfall, week ended March 28, 1898.

[Received from Department of Agriculture, Weather Bureau.]

| Locality. | Temperature in degrees Fahrenheit. | | | Rainfall in inches and hundredths. | | |
|-----------------------------------|------------------------------------|---------|-------------|------------------------------------|---------|-------------|
| | Normal. | Excess. | Deficiency. | Normal. | Excess. | Deficiency. |
| Atlantic Coast: | | | | | | |
| Eastport, Me..... | 31 | 3 | | .95 | | .71 |
| Portland, Me..... | 34 | 3 | | .74 | | .68 |
| Northfield, Vt..... | 27 | 9 | | .55 | | .51 |
| Boston, Mass..... | 36 | 4 | | .89 | | .81 |
| Vineyard Haven, Mass..... | 39 | 4 | | 1.05 | | .73 |
| Nantucket, Mass..... | 37 | 4 | | .84 | | .67 |
| Woods Hole, Mass..... | 37 | 3 | | 1.05 | | .73 |
| Block Island, R. I..... | 37 | 3 | | .88 | | .39 |
| New Haven, Conn..... | 37 | 6 | | .91 | | .34 |
| Albany, N. Y..... | 35 | 9 | | .56 | | .48 |
| New York, N. Y..... | 39 | 4 | | .90 | .19 | |
| Harrisburg, Pa..... | 39 | 8 | | .80 | .33 | |
| Philadelphia, Pa..... | 41 | 6 | | .70 | .68 | |
| New Brunswick, N. J..... | 40 | 4 | | .92 | .33 | |
| Atlantic City, N. J..... | 40 | 7 | | .88 | | .29 |
| Baltimore, Md..... | 44 | 5 | | .91 | | .31 |
| Washington, D. C..... | 43 | 7 | | .91 | | .26 |
| Lynchburg, Va..... | 47 | 7 | | .82 | .28 | |
| Cape Henry, Va..... | 47 | 7 | | 1.19 | | .10 |
| Norfolk, Va..... | 48 | 9 | | 1.05 | | .58 |
| Charlotte, N. C..... | 51 | 11 | | 1.03 | | .42 |
| Raleigh, N. C..... | 51 | 10 | | .94 | | .37 |
| Kittyhawk, N. C..... | 48 | 8 | | 1.23 | | 1.23 |
| Hatteras, N. C..... | 52 | 9 | | 1.34 | | 1.32 |
| Wilmington, N. C..... | 56 | 10 | | .85 | | .73 |
| Columbia, S. C..... | 56 | 12 | | .95 | | .95 |
| Charleston, S. C..... | 58 | 10 | | .91 | | .90 |
| Augusta, Ga..... | 57 | 12 | | 1.08 | | 1.08 |
| Savannah, Ga..... | 60 | 11 | | .84 | | .84 |
| Jacksonville, Fla..... | 63 | 9 | | .77 | | .77 |
| Jupiter, Fla..... | 70 | 3 | | .49 | | .32 |
| Key West, Fla..... | 73 | 3 | | .26 | | .25 |
| Gulf States: | | | | | | |
| Atlanta, Ga..... | 54 | 9 | | 1.24 | | 1.22 |
| Tampa, Fla..... | 66 | 7 | | .63 | | .61 |
| Pensacola, Fla..... | 61 | 9 | | 1.16 | | 1.16 |
| Mobile, Ala..... | 61 | 9 | | 1.75 | | 1.50 |
| Montgomery, Ala..... | 58 | 10 | | 1.42 | | 1.42 |
| Vicksburg, Miss..... | 60 | 6 | | 1.47 | | .49 |
| New Orleans, La..... | 63 | 8 | | 1.19 | | 1.19 |
| Shreveport, La..... | 59 | 2 | | 1.05 | | .72 |
| Fort Smith, Ark..... | 52 | | 4 | .79 | 3.75 | |
| Little Rock, Ark..... | 55 | | 1 | 1.10 | | .71 |
| Palestine, Tex..... | 59 | 0 | | .91 | | .82 |
| Galveston, Tex..... | 64 | 0 | | .63 | 1.34 | |
| San Antonio, Tex..... | 63 | | 1 | .52 | | .28 |
| Corpus Christi, Tex..... | 64 | 1 | | .35 | | .17 |
| Ohio Valley and Tennessee: | | | | | | |
| Memphis, Tenn..... | 54 | 4 | | 1.33 | .46 | |
| Nashville, Tenn..... | 50 | 6 | | 1.12 | 1.25 | |
| Chattanooga, Tenn..... | 53 | 9 | | 1.31 | | .96 |
| Knoxville, Tenn..... | 49 | 13 | | 1.19 | | .67 |
| Louisville, Ky..... | 46 | 5 | | .93 | 1.71 | |
| Indianapolis, Ind..... | 41 | 7 | | .83 | 4.69 | |
| Cincinnati, Ohio..... | 44 | 8 | | .70 | 1.57 | |
| Columbus, Ohio..... | 40 | 10 | | .66 | 3.27 | |
| Parkersburg, W. Va..... | 44 | 9 | | .77 | .50 | |
| Pittsburg, Pa..... | 40 | 10 | | .63 | 1.91 | |
| Lake Region: | | | | | | |
| Oswego, N. Y..... | 32 | 11 | | .56 | | .15 |
| Rochester, N. Y..... | 32 | 12 | | .63 | | .19 |
| Buffalo, N. Y..... | 31 | 14 | | .56 | | .46 |
| Erie, Pa..... | 34 | 10 | | .56 | .17 | |
| Cleveland, Ohio..... | 35 | 13 | | .63 | .60 | |
| Sandusky, Ohio..... | 36 | 13 | | .56 | .88 | |
| Toledo, Ohio..... | 36 | 12 | | .49 | .21 | |
| Detroit, Mich..... | 34 | 11 | | .49 | | .21 |
| Lansing, Mich..... | 33 | 9 | | .56 | .38 | |
| Port Huron, Mich..... | 31 | 12 | | .56 | .42 | |
| Alpena, Mich..... | 26 | 9 | | .42 | .62 | |
| Sault Ste. Marie, Mich..... | 25 | 7 | | .33 | .97 | |
| Marquette, Mich..... | 25 | 12 | | .42 | .23 | |
| Green Bay, Wis..... | 30 | 8 | | .49 | .81 | |
| Grand Haven, Mich..... | 33 | 9 | | .56 | .46 | |

a The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended March 28, 1898—Continued.

| Locality. | Temperature in degrees Fahrenheit. | | | Rainfall in inches and hundredths. | | |
|----------------------------------|------------------------------------|-----------|---------------|------------------------------------|---------|-------------|
| | Normal. | a Excess. | a Deficiency. | Normal. | Excess. | Deficiency. |
| Lake Region—Continued. | | | | | | |
| Milwaukee, Wis..... | 33 | 7 | | .56 | .58 | |
| Chicago, Ill..... | 36 | 6 | | .62 | .82 | |
| Duluth, Minn..... | 27 | 4 | | .42 | | .21 |
| Upper Mississippi Valley: | | | | | | |
| St. Paul, Minn..... | 31 | 3 | | .37 | .65 | |
| La Crosse, Wis..... | 34 | 5 | | .40 | .41 | |
| Dubuque, Iowa..... | 36 | 4 | | .56 | .05 | |
| Davenport, Iowa..... | 38 | 4 | | .56 | 1.37 | |
| Des Moines, Iowa..... | 39 | 0 | | .37 | .32 | |
| Keokuk, Iowa..... | 40 | 3 | | .49 | 1.94 | |
| Springfield, Ill..... | 42 | 4 | | .61 | 6.62 | |
| Chgo, Ill..... | 49 | 1 | | .84 | .67 | |
| St. Louis, Mo..... | 45 | 0 | | .82 | 3.87 | |
| Missouri Valley: | | | | | | |
| Columbia, Mo..... | 44 | | 1 | .71 | .78 | |
| Springfield, Mo..... | 46 | | 5 | .74 | 2.29 | |
| Kansas City, Mo..... | 44 | | 3 | .49 | 1.43 | |
| Wichita, Kans..... | 46 | | 8 | .47 | | .37 |
| Concordia, Kans..... | 41 | | 5 | .42 | | .34 |
| Lincoln, Nebr..... | 43 | | 4 | .30 | .10 | |
| Omaha, Nebr..... | 40 | | 6 | .41 | .16 | |
| Sioux City, Iowa..... | 34 | | 4 | .35 | | .28 |
| Yankton, S. Dak..... | 36 | | 4 | .33 | | .25 |
| Valentine, Nebr..... | 32 | | 8 | .39 | | .28 |
| Huron, S. Dak..... | 31 | | 7 | .28 | | .12 |
| Pierre, S. Dak..... | 33 | | 11 | .26 | | .18 |
| Moorhead, Minn..... | 25 | | 2 | .21 | .07 | |
| Bismarck, N. Dak..... | 29 | | 15 | .29 | | .23 |
| Williston, N. Dak..... | 31 | | 25 | .14 | | .14 |
| Rocky Mountain Region: | | | | | | |
| Havre, Mont..... | 35 | | 30 | .14 | | .08 |
| Helena, Mont..... | 38 | | 27 | .17 | .33 | |
| Miles City, Mont..... | 36 | | 23 | .17 | | .07 |
| Rapid City, S. Dak..... | 35 | | 15 | .30 | | .27 |
| Spokane, Wash..... | 43 | | 11 | .28 | .02 | |
| Wallawalla, Wash..... | 49 | | 12 | .45 | .31 | |
| Baker City, Oreg..... | 40 | | 11 | .35 | | .28 |
| Winnemucca, Nev..... | 44 | | 14 | .21 | | .07 |
| Salt Lake City, Utah..... | 45 | | 14 | .49 | | .17 |
| Lander, Wyo..... | 35 | | 15 | .35 | | .14 |
| Cheyenne, Wyo..... | 36 | | 10 | .19 | | .13 |
| North Platte, Nebr..... | 40 | | 8 | .21 | | .14 |
| Denver, Colo..... | 42 | | 9 | .26 | | .14 |
| Pueblo, Colo..... | 42 | | 7 | .14 | .04 | |
| Dodge City, Kans..... | 45 | | 4 | .23 | | .19 |
| Oklahoma, Okla..... | 54 | | 8 | .72 | | .39 |
| Amarillo, Tex..... | 46 | | 2 | .19 | | .19 |
| Abilene, Tex..... | 55 | | 1 | .31 | | .03 |
| Santa Fe, N. Mex..... | 42 | | 5 | .14 | | .10 |
| El Paso, Tex..... | 57 | | 2 | .07 | | .07 |
| Phoenix, Ariz..... | 63 | | 10 | .13 | | .13 |
| Pacific Coast: | | | | | | |
| Fort Canby, Wash..... | 47 | | 6 | 1.44 | | .27 |
| Portland, Oreg..... | 49 | | 10 | 1.12 | | .20 |
| Roseburg, Oreg..... | 50 | | 10 | .68 | | .22 |
| Eureka, Cal..... | 49 | | | 1.47 | | |
| Redbluff, Cal..... | 56 | | 9 | .68 | | .68 |
| Carson City, Nev..... | 44 | | 13 | .28 | .08 | |
| Sacramento, Cal..... | 57 | | 10 | .63 | | .59 |
| San Francisco, Cal..... | 55 | | 6 | .63 | | .59 |
| Fresno, Cal..... | 56 | | 8 | .33 | | .03 |
| Los Angeles, Cal..... | 58 | | 6 | .59 | | .35 |
| San Diego, Cal..... | 57 | | 5 | .28 | | |
| Yuma, Ariz..... | 67 | | 12 | .05 | | .05 |

a The figures in these columns represent the average daily departure.

FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

Cholera, yellow fever, plague, and smallpox as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to April 8, 1898.

CHOLERA.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------|--------------------|--------|---------|----------|
| India: | | | | |
| Bombay | Nov. 24-Nov. 30... | ..... | 4 | |
| | Dec. 1-Feb. 22... | ..... | 50 | |
| Calcutta..... | Nov. 14-Dec. 4... | ..... | 42 | |
| | Dec. 5-Jan. 1... | ..... | 31 | |
| | Jan. 2-Jan. 29... | ..... | 28 | |
| | Jan. 30-Feb. 19... | ..... | 64 | |
| Madras..... | Nov. 20-Dec. 10... | ..... | 8 | |
| | Dec. 4-Dec. 31... | ..... | 11 | |
| | Jan. 1-Jan. 28... | ..... | 45 | |
| | Jan. 29-Mar. 4... | ..... | 26 | |
| Singapore..... | Nov. 1-Nov. 30... | ..... | 1 | |
| | Dec. 1-Dec. 31... | ..... | 1 | |

YELLOW FEVER.

| | | | | |
|---------------------------|--------------------|-------|-------|---|
| Brazil: | | | | |
| Bahia..... | Dec. 27..... | 3 | 2 | Taken off of Nor. bk. Adonis. |
| | Dec. 29..... | 6 | ..... |  |
| Ceara..... | Nov. 1-Nov. 30... | ..... | 1 | |
| Para..... | Dec. 12-Jan. 1... | ..... | 24 | |
| | Jan. 2-Jan. 15... | ..... | 22 | |
| | Jan. 16-Feb. 23... | ..... | 30 | |
| Rio de Janeiro..... | Nov. 21-Dec. 4... | 1 | ..... |  |
| | Dec. 5-Jan. 1... | 8 | 3 | |
| | Jan. 1-Jan. 29... | 22 | 17 | |
| | Jan. 30-Mar. 4... | 118 | 119 | |
| Sao Carlos de Pinhal..... | Feb. 23..... | ..... | ..... | Yellow fever reported. |
| Santos | Jan. 2-Jan. 8... | 1 | 1 | |
| | Jan. 23-Jan. 29... | 3 | ..... |  |
| | Jan. 30-Feb. 5... | 2 | ..... |  |
| Cuba: | | | | |
| Cienfuegos..... | Dec. 20-Jan. 2... | ..... | 2 | |
| | Jan. 3-Jan. 23... | ..... | 1 | |
| Habana | Dec. 17-Dec. 30... | ..... | 6 | |
| | Dec. 31-Jan. 27... | ..... | 9 | |
| | Jan. 28-Feb. 17... | ..... | 3 | |
| | Mar. 4-Mar. 24... | ..... | 2 | |
| Manzanillo..... | Dec. 1-Dec. 31... | ..... | 28 | |
| | Jan. 1-Jan. 31... | ..... | 9 | |
| | Feb. 14-Feb. 28... | ..... | 3 | |
| Matanzas..... | Dec. 15-Jan. 19... | ..... | 4 | |
| | Feb. 9-Feb. 23... | ..... | 2 | |
| Regla..... | Dec. 31-Feb. 28... | ..... | 7 | |
| | Mar. 1-Mar. 24... | ..... | 2 | |
| Sagua la Grande..... | Dec. 18-Jan. 20... | ..... | ..... | A few cases of yellow fever, but impossible to obtain statistics. |
| Santiago de Cuba..... | Dec. 19-Jan. 29... | ..... | 6 | |
| Jamaica: | | | | |
| Kingston..... | Dec. 19-Jan. 1... | 1 | 1 | |
| | Jan. 2-Jan. 31... | 2 | 2 | |
| | Feb. 5-Feb. 19... | 2 | 1 | |
| St. Andrew..... | Dec. 19-Jan. 1... | 1 | ..... |  |
| | Feb. 27-Mar. 5... | 1 | 1 | |
| St. Catherine..... | Dec. 19-Jan. 1... | 1 | ..... |  |
| St. Elizabeth | Dec. 19-Jan. 1... | 1 | 1 | |

Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------|---|-------------------|----------------------|----------|
| Arabia: | | | | |
| Jiddah..... | Mar. 25..... | | 3 | |
| China: | | | | |
| Hongkong..... | Nov. 7-Nov. 20... Dec. 18-Jan. 1... Jan. 2-Jan. 29... Jan. 30-Feb. 19... | 2 2 6 18 | 2 2 5 14 | |
| India: | | | | |
| Bombay..... | Nov. 24-Nov. 30... Dec. 1-Feb. 8... Feb. 9-Feb. 22... | | 70 4,833 2,339 | |
| Japan: | | | | |
| Taiwan (Formosa)..... | Dec. 28-Mar. 4... | 77 | | |

SMALLPOX.

| | | | | |
|----------------------|--|-------------------|------------------------|--|
| Bohemia: | | | | |
| Prague..... | Dec. 12-Jan. 1... Jan. 2-Mar. 5... | 11 79 | | |
| Brazil: | | | | |
| Pernambuco..... | Dec. 1-Dec. 25... | | 8 | |
| Rio de Janeiro..... | Nov. 21-Dec. 4... Dec. 5-Jan. 1... Jan. 1-Mar. 4... | 10 9 1 | 1 1 1 | |
| Canada: | | | | |
| Maïssonneuve..... | Jan. 26-Feb. 16... | 3 | | |
| Montreal..... | Jan. 3-Jan. 12... Feb. 11-Feb. 16... | 3 1 | 0 | |
| China: | | | | |
| Hongkong..... | Nov. 7-Dec. 4... Dec. 5-Jan. 1... Jan. 2-Feb. 19... | 6 11 131 | 4 8 80 | |
| Cuba: | | | | |
| Cardenas..... | Dec. 19-Jan. 22... Mar. 6-Mar. 27... | | 5 8 | |
| Cienfuegos..... | Dec. 20-Jan. 2... Jan. 3-Jan. 23... Feb. 7-Feb. 27... Feb. 28-Mar. 20... | | 7 19 35 6 | |
| Habana..... | Dec. 17-Mar. 24... | | 141 | |
| Matanzas..... | Jan. 20-Feb. 23... | | 8 | |
| Regla..... | Feb. 18-Mar. 24... | | 2 | |
| Sagua la Grande..... | Dec. 19-Jan. 29... Jan. 30-Feb. 26... Feb. 27-Mar. 26... | 233 470 378 | 29 35 25 | |
| England: | | | | |
| Bristol..... | Feb. 6-Feb. 19... | 1 | | |
| Liverpool..... | Jan. 15-Jan. 29... Feb. 1-Feb. 19... | 3 4 | | |
| London..... | Feb. 27-Mar. 12... | 2 | | |
| Middlesborough..... | Feb. 9..... | 90 | | |
| Southampton..... | Jan. 8-Feb. 12... | 2 | | |
| Sunderland..... | Dec. 18-Jan. 8... Feb. 27-Mar. 19... Jan. 9-Jan. 22... | 1 3 5 | | |
| West Hartlepool..... | | | | |
| Germany: | | | | |
| Hamburg..... | Mar. 6-Mar. 12... | 2 | | |
| Gibraltar..... | Dec. 6-Dec. 12... Dec. 27-Jan. 30... | 1 2 | | |
| India: | | | | |
| Bombay..... | Feb. 9-Feb. 22... | | 2 | |
| Calcutta..... | Dec. 19-Dec. 25... Jan. 30-Feb. 19... | | 1 9 | |
| Madras..... | Nov. 27-Dec. 3... Dec. 4-Dec. 31... Jan. 1-Jan. 28... Jan. 29-Feb. 4... Feb. 5-Mar. 4... | | 1 3 6 6 22 | |
| Italy: | | | | |
| Messina..... | Dec. 12-Jan. 8... Jan. 30-Feb. 5... | | 5 1 | |
| Japan: | | | | |
| Aichi Ken..... | Dec. 28-Mar. 3... | 3 | | |
| Akita Ken..... | Dec. 28-Mar. 3... | 12 | 4 | |

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|-------------------------|--------------------|--------|---------|--------------------|
| Japan—Continued. | | | | |
| Awomori Ken..... | Dec. 28-Mar. 3... | 23 | 3 | |
| Chiba Ken..... | Dec. 28-Feb. 3... | 6 | 4 | |
| Formosa..... | Feb. 4-Mar. 3... | 7 | 1 | |
| Fukui Ken..... | Dec. 28-Feb. 3... | 1 | 1 | |
| Fukushima Ken..... | Dec. 28-Mar. 3... | 66 | 14 | |
| Gifu Ken..... | Feb. 4-Feb. 22... | 1 | 1 | |
| Gumma Ken..... | Feb. 4-Feb. 22... | 1 | 1 | |
| Hiroshima Ken..... | Jan. 22-Feb. 3... | 1 | 1 | |
| Iwate Ken..... | Dec. 28-Mar. 3... | 24 | 3 | |
| Kagoshima Ken..... | Feb. 4-Feb. 22... | 1 | 1 | |
| Kanagawa Ken..... | Dec. 28-Jan. 21... | 3 | 1 | |
| Kochi Ken..... | Dec. 28-Jan. 21... | 1 | 1 | |
| Miyagi Ken..... | Dec. 17-Dec. 27... | 2 | 3 | |
| | Dec. 28-Mar. 3... | 33 | 8 | |
| Miyazaki Ken..... | Jan. 22-Feb. 3... | 3 | 1 | |
| Nagano Ken..... | Feb. 4-Mar. 3... | 8 | 4 | |
| Nagasaki Ken..... | Jan. 22-Feb. 22... | 3 | 1 | |
| Okayama Ken..... | Feb. 4-Feb. 22... | 2 | 1 | |
| Osaka Fu..... | Dec. 28-Feb. 22... | 2 | 1 | |
| Saitama Ken..... | Dec. 17-Dec. 27... | 1 | 1 | |
| Tokyo Fu..... | Dec. 28-Feb. 22... | 5 | 6 | |
| Yamagata Ken..... | Jan. 22-Mar. 3... | 25 | 9 | |
| Yamaguchi Ken..... | Feb. 4-Feb. 22... | 9 | 7 | |
| Yehime Ken..... | Dec. 17-Mar. 3... | 43 | 26 | |
| The Hokkaido..... | Dec. 17-Dec. 27... | 70 | 79 | |
| | Dec. 28-Mar. 3... | 276 | | |
| Netherlands: | | | | |
| Amsterdam..... | Dec. 12-Dec. 24... | 1 | 1 | |
| Rotterdam..... | Dec. 12-Dec. 31... | 3 | 1 | |
| | Jan. 1-Jan. 29... | 1 | | |
| Russia: | | | | |
| Moscow..... | Nov. 24-Dec. 4... | 1 | 1 | |
| | Dec. 5-Dec. 11... | 1 | 1 | |
| | Jan. 1-Feb. 19... | 10 | 3 | |
| Odessa..... | Dec. 5-Jan. 1... | 53 | 9 | |
| | Jan. 2-Jan. 29... | 34 | 7 | |
| | Jan. 30-Mar. 12... | 34 | 6 | |
| St. Petersburg..... | Dec. 4-Dec. 25... | 35 | 13 | |
| | Jan. 9-Jan. 29... | 56 | 19 | |
| | Jan. 30-Mar. 5... | 29 | 29 | |
| Warsaw..... | Dec. 19-Mar. 12... | | 52 | |
| Scotland: | | | | |
| Glasgow..... | Dec. 5-Dec. 25... | 3 | 1 | |
| Spain: | | | | |
| Corunna..... | Jan. 1-Feb. 5... | | 2 | |
| Madrid..... | Dec. 22-Dec. 28... | | 1 | |
| | Feb. 8-Feb. 23... | | 2 | |
| Turkey: | | | | |
| Constantinople..... | Jan. 10-Feb. 6... | | 53 | |
| | Feb. 28-Mar. 13... | | 18 | |
| Uruguay: | | | | |
| Montevideo..... | Dec. 25-Jan. 1... | 1 | | |
| Venezuela: | | | | |
| Puerto Cabello..... | Apr. 2..... | | | Smallpox reported. |
| Wales: | | | | |
| Cardiff..... | Dec. 18-Dec. 24... | 1 | | |

BRAZIL.

Sanitary report from Rio.

CONSULATE-GENERAL OF THE UNITED STATES OF AMERICA,

Rio de Janeiro, March 7, 1898.

SIR: I have the honor to transmit the report for the two weeks ended March 4.

There were 79 deaths from yellow fever, an increase of 46 in the foregoing fortnight, and 77 new cases of yellow fever, an increase of 44; 7 deaths from typhoid fever, an increase of 2; 1 from diphtheria, none

before. In the last week there were 12 deaths from beriberi, an increase of 8 in the foregoing week ; 49 deaths from tuberculosis, a decrease of 4.

Yellow fever.—The above-mentioned number of both the fatal cases and new cases shows that the epidemic is increasing ; besides, the number of light yellow fever cases, which are not reported to the authority, is not insignificant. The designated number of 39 new cases of the last week is only of patients removed to S. Sebastiao's Hospital, the special yellow-fever hospital for the shore.

I further beg to call your special attention to the fact that on the German bark *Mirella*, having arrived here from Hamburg on the 13th of December, with general cargo, 5 men were attacked by yellow fever, of whom 2 died, without any case of this sickness having been heard of here before in the shipping. The old, but lately removed ship was ordered twice in the quarantine ground and twice disinfected. After the stay here, of 55 days, the *Mirella* went out for Buenos Ayres, and during the voyage another 5 men got sick, but recovered. In Buenos Ayres was imposed a quarantine for 10 days on the vessel.

Since last report the following-named ships have been inspected and received bills of health from this office : March 2, steamship *Maskelyne*, Belgian, for New York. March 3, schooner *Nantasket*, American, for Barbados, West Indies ; bark *Prince Amadeo*, Norwegian, for Sapelo, Ga. March 5, ship *Boadicea*, British, for New York ; steamship *Roman Prince*, for New York. March 7, steamship *Buffon*, British, for New York ; barkentine *Josephine*, American, for Baltimore ; schooner *R. F. Peligrue*, American, for New York.

Respectfully, yours,

W. HAVELBURG, M. D.,

Acting Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

CUBA.

Smallpox and yellow fever in Cuban seaports.

March 31 : The United States consul at Cardenas reports that during the week ended March 26, there was in that city no death from yellow fever and no death from smallpox.

March 28 : The United States consul at Cienfuegos reports that during the two weeks ended March 27, there were in that city no deaths from yellow fever and 2 deaths from smallpox.

March 21 : The United States commercial agent at Manzanillo reports that during the 2 weeks ended March 15, there were in that city no deaths from yellow fever and no deaths from smallpox.

March 25 : The United States consul at Matanzas reports that during the week ended March 23, there were in that city no deaths from smallpox and no deaths from yellow fever.

March 28 : The United States consul at Sagua la Grande reports that during the week ended March 26 there were in that city 57 cases of smallpox and 7 deaths therefrom, and several cases of yellow fever, concerning which it is impossible to obtain correct statistics.

*Sanitary reports from Santiago.*SANTIAGO DE CUBA, *March 19, 1898.*

SIR: I have the honor to inform you that there were 70 deaths reported for the week ended this Saturday, March 19, being 7 less than last week. Of these 5 were from remittent and 6 were from pernicious fevers, 9 from dysentery, 3 from tuberculosis, 10 from enteritis, 13 from anæmia and paludic caquexia; the rest from noncontagious or noninfectious diseases.

There are about 800 sick soldiers in our military hospital at present, but they are all suffering from climatic diseases, such as paludism, diarrhea, dysentery, and anæmia. There are no cases of yellow fever either at the hospitals or in the town.

The general health is slowly improving, and the outlook for the coming summer seems more promising than it has been for some time.

Respectfully,

H. S. CAMINERO, M. D.,

Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,

*U. S. Marine-Hospital Service.*SANTIAGO DE CUBA, *March 26, 1898.*

SIR: I have the honor of submitting the following report on the sanitary condition of Santiago de Cuba for the week ended Saturday, March 26: There were 65 deaths reported for this period, of which 7 were from dysentery, 4 from tuberculosis, 6 from enteritis, 9 from remittent and 7 from pernicious fevers, 15 from anæmia and dropsy; the rest from noncontagious or noninfectious diseases.

The mortality is gradually diminishing and the general health of the inhabitants has become much better, owing in part to the medicines and provisions issued to them from this consulate. As I have informed you in a former report, the authorities are now more careful about the sanitary condition of the streets, and garbage is carted and dumped outside the city limits and the dead animals are burnt.

Respectfully,

H. S. CAMINERO, M. D.,

Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

GERMANY.

Two cases of smallpox at Hamburg.

CONSULATE OF THE UNITED STATES,

Hamburg, March 17, 1898.

SIR: I have the honor to hereby inform you that 2 light cases of smallpox have occurred in this port. One is that of a man from Galicia, who was found to be affected in a very mild degree. Immediately upon the discovery of his condition, he was quarantined, is now isolated, and will remain under the doctor's strictest care until thoroughly cured. The other case is that of a negro, who arrived here on a ship from Teneriffe, and he also is only slightly affected, and is also isolated and continuously under doctor's treatment. All the men who have come in contact with the two patients have at once been vaccinated and are not allowed to leave the house.

As the cases are simply sporadic, such as may occur in any large city

at any time, and, furthermore, as all precautions are being taken, there is no ground whatsoever to fear a general infection or epidemic. I therefore have not considered it necessary to inform you by cable; I shall, however, carefully watch further developments and, in case of any alarming change, I shall at once cable.

I am, sir, your obedient servant,

HUGH PITCAIRN,
United States Consul.

Hon. ASSISTANT SECRETARY OF STATE.

HAITI.

Sanitary report.

DEPARTMENT OF STATE,
Washington, April 2, 1898.

SIR: Referring to your letter of February 25 last, I have, by direction of the Secretary of State, the honor to inclose for the use of the Marine-Hospital Service copy of a dispatch from our minister at Port au Prince, reporting as to health organizations in Haiti.

Respectfully, yours,

WILLIAM R. DAY,
Assistant Secretary.

Hon. SECRETARY OF THE TREASURY.

JAPAN.

Sanitary report from Yokohama.

YOKOHAMA, *March 15, 1898.*

SIR: Regretting that I am unable to forward my usual detailed report of infectious diseases in Japan, I am nevertheless able to state that, in all essentials, the sanitary condition of the Empire remains, practically, as at the time of my last return.

Plague is still semiepidemic in Formosa, and has appeared at two new points there, while a few cases have occurred in the Japanese garrison.

Single cases of cholera have been reported in both Yokohama and Tokyo, but their genuine nature is neither established nor probable.

I am, sir, very respectfully, your obedient servant,

STUART ELDRIDGE, M. D.,
Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,
U. S. Marine-Hospital Service.

[Inclosure—Report No. 201.]

LEGATION OF THE UNITED STATES,
Port au Prince, Haiti, March 23, 1898.

SIR: In reply to request of the Honorable Secretary of the Treasury, conveyed to me through the State Department, regarding the health organizations, their powers, scope, their relation to state and municipal powers, also the management and control of contagious and infectious diseases:

There is a medical organization, known as the "jury medical," composed of 4 doctors and 1 druggist. Their duty being to examine all persons desiring to practice medicine in Haiti; they pay no attention to hygienic or health matters.

There is no separate place where contagious or infectious diseases are treated. All such cases are treated at residence of patient. No means are employed to isolate either class of patients.

In case of yellow fever the patient can, if he so wishes, be sent to either the French or Sisters of Charity hospitals, where he pays (\$3) three dollars a week.

The first is supported by French citizens, the latter, as its name implies, through charity. The members of the "jury medical" are appointed by the President, and serve at his pleasure.

In this connection, on account of the nearness of the ports of this republic to our cities, their disregard of the laws of sanitation and hygiene, the prevalence of yellow fever and other diseases of a febrile nature, I think it would be a great advantage to our Government if it would name one of the American doctors here as a sanitary inspector to report to our Government the health condition of ports of the republic from time to time as is done by those at the ports of Cuba.

I have the honor to be, sir, your obedient servant,

W. F. POWELL.

HON. SECRETARY OF STATE.

TURKEY.

Sanitary report from Constantinople.

LEGATION OF THE UNITED STATES,
Constantinople, March 16, 1898.

SIR: I beg to forward for the PUBLIC HEALTH REPORTS the report No. 187 of Dr. Zavitziano, United States Sanitary Commissioner.

I have the honor to be, sir, your obedient servant,

J. W. RIDDLE.

HON. SECRETARY OF STATE.

[Inclosure—Report No. 187.]

CONSTANTINOPLE, *March 16, 1898.*

SIR: I referred in my last report to the epidemic of la grippe which was prevailing in this town. It still continues to prevail, but I can not insist upon its light character. I present the number of deaths registered during the months of February since 1891: In 1891, 1,225; 1892, 1,032; 1893, 1,221; 1894, 1,203; 1895, 1,319; 1896, 1,428; 1897, 1,052; 1898, 1,195.

It will be seen that there is not a great difference between the number of deaths for the different years.

During the fortnight from February 28 to March 13, 669 deaths have been registered; of which 8 were from measles, 8 from typhoid fever, 11 from diphtheria, and 18 from smallpox.

The sanitary news from the Ottoman provinces is rather good. No epidemic is prevailing anywhere in the Ottoman Empire.

The sanitary news from Bombay is appalling. According to a communication, made at the last sitting of the International Sanitary Commission, the British Government has not prohibited the pilgrimage to Mecca for this year. As a consequence, said International Sanitary Commission has decided on the repulsion from the Turkish ports of the pilgrims coming from India. Such decision has been submitted to the approval of the Sublime Porte before putting it into execution. Up to this date no answer has been given about such approval. We do not know, therefore, if such step has to be executed. In the meantime, the British sanitary representative has communicated a declaration of the British Government, according to which, if the above-mentioned decision of the board of health is put into execution before the approval of the Sublime Porte, and the approval is not officially communicated by the Ottoman Government to the foreign governments, said British Government will consider the International Sanitary Commission responsible for all damages to be sustained by the British Marine in consequence of said decision to repulse the Indian pilgrims.

The first steamship has already arrived at Camaran with Indian pilgrims, according to a cablegram communicated at the last sitting of the International Sanitary Commission. Said pilgrims had already undergone ten days' quarantine at Chittagong.

According to the last official news received, also by cablegram, and communicated at the last sitting of the International Sanitary Commission during the week ended the 7th instant, 1,260 plague deaths have been registered in the town of Bombay.

SPYRIDION C. ZAVITZIANO,
United States Sanitary Commissioner.

VENEZUELA.

Varioloid at Puerto Cabello.

[Telegram.]

PUERTO CABELLO, April 2, 1898.

DAY, Washington, D. C.—Varioloid.—PROSKAUER, Consul, Puerto Cabello, Venezuela.

STATISTICAL REPORTS.

BAHAMAS—*Dunmore Town*.—Two weeks ended March 25, 1898. Estimated population, 1,472. No deaths.

Governors Harbor.—Two weeks ended March 26, 1898. Estimated population, 1,500. No deaths.

Green Turtle Cay—Abaco.—Two weeks ended March 24, 1898. Estimated population, 3,900. No deaths.

CHILE—*Antofagasta*.—Month of March, 1898. Estimated population, 14,000. Total deaths, 44, including 1 from phthisis pulmonalis.

CUBA—*Manzanillo*.—Two weeks ended March 15, 1898. Estimated population, 20,000. Total deaths, 87, including typhus fever, 3, and enteric fever, 2.

FRANCE—*Rouen*.—Month of February, 1898. Estimated population, 112,657. Total deaths, 322, including diphtheria, 5, and phthisis pulmonalis, 42.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 33 great towns in England and Wales during the week ended March 19 correspond to an annual rate of 21.8 a thousand of the aggregate population, which is estimated at 11,218,378. The highest rate was recorded in Oldham, viz, 30.9, and the lowest in Burnley, viz, 15.2.

London.—One thousand eight hundred and sixty-nine deaths were registered during the week, including measles, 134; scarlet fever, 10; diphtheria, 36; whooping cough, 56; enteric fever, 10, and diarrhea and dysentery, 11. The deaths from all causes correspond to an annual rate of 21.6 a thousand. In greater London 2,409 deaths were registered, corresponding to an annual rate of 19.6 a thousand of the population. In the "outer ring" the deaths included 30 from measles, 2 from scarlet fever, 10 from diphtheria, and 6 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended March 19 in the 23 principal town districts of Ireland was 29.3 a thousand of the population. The lowest rate was recorded in Queenstown, viz, 11.5, and the highest in Tralee, viz, 50.4 a thousand. In Dublin and suburbs 237 deaths were registered, including enteric fever, 7; scarlet fever, 4; whooping cough, 3, and 1 from diphtheria.

Scotland.—The deaths registered in 8 principal towns during the week ended March 19 correspond to an annual rate of 24.1 a thou-

sand of the population, which is estimated at 1,568,536. The lowest mortality was recorded in Perth, viz, 13.6, and the highest in Paisley, viz, 26.9 a thousand. The aggregate number of deaths registered from all causes was 727, including measles, 17; scarlet fever, 10; diphtheria, 5, and whooping cough, 21.

GUIANA.—*Paramaribo*.—Month of January, 1898. Estimated population, 64,372. Total deaths, 95. No deaths reported from contagious diseases.

JAMAICA.—Week ended March 19, 1898. Estimated population, 694,865. Total deaths not reported. One death from enteric fever.

MORTALITY TABLE, FOREIGN CITIES.

| Cities. | Week ended. | Estimated population. | Total deaths from all causes. | Deaths from— | | | | | | | | |
|----------------------------|--------------|-----------------------|-------------------------------|--------------|---------------|-----------|---------------|----------------|----------------|-------------|----------|-----------------|
| | | | | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. |
| Aix la Chapelle..... | Mar. 12..... | 127,375 | 42 | | | | | | | | | |
| Amherstburg..... | Mar. 19..... | 2,300 | 0 | | | | | | | | | |
| Do..... | Mar. 26..... | 2,300 | 0 | | | | | | | | | |
| Amsterdam..... | Mar. 19..... | 504,289 | 163 | | | | | | | | | 4 |
| Antofagasta..... | Feb. 28..... | 14,000 | 10 | | | | | | | | | |
| Belfast..... | Mar. 19..... | 304,610 | 165 | | | | | 11 | | 3 | 1 | 2 |
| Belize..... | Mar. 25..... | 13,000 | 8 | | | | | | | | | |
| Belleville..... | Mar. 28..... | 10,399 | 2 | | | | | | | | | |
| Birmingham..... | Mar. 19..... | 505,772 | 230 | | | | | | | | | 15 |
| Bluefields..... | Mar. 26..... | 3,000 | 5 | | | | | 3 | | 5 | 2 | |
| Bradford..... | Mar. 19..... | 231,260 | 105 | | | | | | | | | |
| Brussels..... | Mar. 12..... | 531,024 | 188 | | | | | 1 | | | 2 | 3 |
| Calcutta..... | Feb. 19..... | 681,560 | 388 | 21 | | 2 | | | | 2 | | 1 |
| Callao..... | Feb. 27..... | 20,000 | 20 | | | | | | | | | |
| Do..... | Mar. 6..... | 20,000 | 30 | | | | | | | | | |
| Cardenas..... | Mar. 19..... | 23,517 | 36 | | | | 1 | 8 | | | | |
| Catania..... | Mar. 17..... | 120,000 | 72 | | | | | | | 1 | | |
| Chemnitz..... | Mar. 12..... | 163,000 | 68 | | | | | | | 2 | | |
| Christiania..... | Mar. 19..... | 200,000 | 63 | | | | | | | | | |
| Cienfuegos..... | Mar. 27..... | 34,030 | 70 | | | 2 | | | | | | |
| Cognac..... | Mar. 14..... | 20,000 | 12 | | | | | | | | | |
| Do..... | Mar. 21..... | 20,000 | 11 | | | | | | | | | |
| Cologne..... | Mar. 12..... | 341,578 | 136 | | | | | 1 | | 6 | 9 | |
| Colombo..... | Feb. 26..... | 130,000 | 85 | | | | | 3 | | | 5 | |
| Colon..... | Mar. 21..... | 8,000 | 6 | | | | | | | | | |
| Crefeld..... | Mar. 12..... | 108,000 | 22 | | | | | | 2 | 2 | 3 | |
| Do..... | Mar. 19..... | 108,000 | 17 | | | | | | 3 | | | |
| Dublin..... | do..... | 350,000 | 237 | | | | | 7 | 4 | 1 | | 3 |
| Dusseldorf..... | Mar. 12..... | 191,605 | 63 | | | | 1 | | | 1 | 2 | |
| Edinburgh..... | Mar. 19..... | 296,628 | 131 | | | | | 3 | | | | |
| Frankfort on the Main..... | do..... | 244,000 | 79 | | | | | | 1 | 1 | | |
| Flushing..... | do..... | 17,193 | 2 | | | | | | | | | |
| Funchal..... | Mar. 13..... | 35,665 | 20 | | | | | | | | | |
| Gibraltar..... | do..... | 25,755 | 3 | | | | | | | | | |
| Girgenti..... | Mar. 12..... | 24,428 | 9 | | | | | | | | | |
| Glasgow..... | Mar. 19..... | 724,349 | 368 | | | | | 3 | 2 | 3 | 16 | 19 |
| Gothenburg..... | Mar. 12..... | 119,754 | 30 | | | | | | | | | 1 |
| Guayaquil..... | Mar. 19..... | 50,000 | 50 | | | | | | | | | 1 |
| Halifax..... | Mar. 26..... | 38,700 | 17 | | | | | | | | | |
| Hamburg..... | Mar. 19..... | 661,015 | 207 | | | | | 2 | | 4 | | 4 |
| Hamilton, Bermuda..... | Mar. 18..... | 16,000 | 0 | | | | | | | | | |
| Do..... | Mar. 25..... | 16,000 | 0 | | | | | | | | | |
| Havre..... | Mar. 12..... | 119,470 | 66 | | | | | | | | | |
| Hongkong..... | Feb. 19..... | 261,258 | a 115 | | 18 | | | | | | | |
| Kingston, Canada..... | Mar. 26..... | 18,800 | 4 | | | | | | | | | |
| Do..... | Apr. 1..... | 18,800 | 5 | | | | | | | | | |
| Leeds..... | Mar. 19..... | 416,618 | 151 | | | | | | 3 | 2 | 7 | 3 |
| Leipsic..... | Mar. 12..... | 422,071 | 153 | | | | | 2 | | 6 | 6 | |
| Do..... | Mar. 19..... | 422,071 | 155 | | | | | | | 4 | 3 | |
| Liege..... | Mar. 12..... | 166,110 | | | | | | | | | 2 | |

a Six deaths from plague.

MORTALITY TABLE, FOREIGN CITIES—Continued.

| Cities. | Week ended. | Estimated population. | Total deaths from all causes. | Deaths from— | | | | | | | | |
|---------------------------|--------------|-----------------------|-------------------------------|--------------|---------------|-----------|---------------|----------------|----------------|-------------|----------|-----------------|
| | | | | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. |
| Liverpool..... | Mar. 19..... | 647,489 | 314 | | | | | 3 | 5 | 1 | 5 | 3 |
| Livingston..... | Mar. 12..... | 2,000 | 0 | | | | | | | | | |
| Do..... | Mar. 19..... | 2,000 | 0 | | | | | | | | | |
| London..... | Mar. 12..... | 6,408,321 | 2,395 | | | | | 8 | 8 | 52 | 174 | 75 |
| Lyons..... | Mar. 5..... | 466,028 | 247 | | | | | | | 1 | 1 | 3 |
| Madras..... | Feb. 25..... | 452,518 | 332 | 3 | | 3 | | | | | 22 | |
| Do..... | Mar. 4..... | 452,518 | 328 | 8 | | 9 | | | | | 28 | |
| Madrid..... | Mar. 16..... | 491,595 | 366 | | | | | 3 | 1 | 6 | 13 | |
| Magdeburg..... | Feb. 19..... | 222,355 | 86 | | | | | | | 2 | 2 | 2 |
| Manchester..... | Mar. 19..... | 541,296 | 248 | | | | | | | | | |
| Mannheim..... | do..... | 107,500 | 37 | | | | | | | | | |
| Matamoras..... | Mar. 25..... | 16,304 | 10 | | | | | | | | | |
| Mayence..... | Mar. 19..... | 76,984 | 47 | | | | | | | 1 | 7 | 1 |
| Monte Cristy..... | do..... | 1,200 | 1 | | | | | | | | | |
| Montevideo..... | Feb. 26..... | 215,061 | 64 | | | | | 1 | 1 | | | |
| Do..... | Mar. 19..... | 215,061 | 69 | | | | | | | 1 | | |
| Naples..... | Mar. 12..... | 570,000 | 289 | | | | | 7 | | | | |
| Newcastle-on-Tyne..... | Mar. 19..... | 223,000 | 81 | | | | | | | 1 | 2 | 6 |
| Nuremberg..... | Mar. 5..... | 183,397 | 60 | | | | | | 2 | 2 | | |
| Odesa..... | Mar. 12..... | 383,000 | 166 | | | 1 | 1 | 3 | 1 | 2 | 4 | 1 |
| Palermo..... | do..... | 273,000 | 134 | | | | | | | 1 | | |
| Paris..... | do..... | 2,511,955 | 1,036 | | | | | 6 | 1 | 6 | 22 | 3 |
| Do..... | Mar. 19..... | 2,511,955 | 1,063 | | | | | 7 | | 9 | 23 | 3 |
| Pernambuco..... | Jan. 1..... | 200,000 | 110 | | | | | | | | | |
| Do..... | Jan. 8..... | 200,000 | 106 | | | | | | | | | |
| Do..... | Jan. 15..... | 200,000 | 109 | | | | | | | | | |
| Do..... | Jan. 22..... | 200,000 | 108 | | | | | | | | | |
| Do..... | Jan. 29..... | 200,000 | 98 | | | | | | | | | |
| Plymouth..... | Jan. 19..... | 200,000 | 30 | | | | | | | | | |
| Port au Prince..... | Feb. 7..... | 60,000 | 19 | | | | | | | | | |
| Do..... | Feb. 14..... | 60,000 | 22 | | | | | | | | | |
| Do..... | Feb. 21..... | 60,000 | 20 | | | | | | | | | |
| Do..... | Feb. 28..... | 60,000 | 23 | | | | | | | | | |
| Do..... | Mar. 7..... | 60,000 | 27 | | | | | | | | | |
| Do..... | Mar. 14..... | 60,000 | 19 | | | | | | | | | |
| Prague..... | Mar. 12..... | 195,919 | 121 | | | | | 2 | 2 | 1 | 4 | |
| Puerto Cortez..... | Mar. 23..... | 2,000 | 0 | | | | | | | | | |
| Rheims..... | Mar. 12..... | 108,943 | 59 | | | | | | | | | 4 |
| Rotterdam..... | Mar. 19..... | 299,343 | 129 | | | | | 1 | | | | |
| Sagua la Grande..... | do..... | 17,536 | 50 | | | 5 | | | | | | |
| St. Georges, Bermuda..... | do..... | 2,150 | 0 | | | | | | | | | |
| Do..... | Mar. 26..... | 2,150 | 0 | | | | | | | | | |
| St. Stephen..... | do..... | 3,000 | 1 | | | | | | | | | |
| Sanchez..... | Mar. 5..... | 1,000 | 0 | | | | | | | | | |
| Do..... | Mar. 12..... | 1,000 | 2 | | | | | | | | | |
| Do..... | Mar. 19..... | 1,000 | 0 | | | | | | | | | |
| Schiedam..... | do..... | 26,884 | 11 | | | | | | | | | |
| Sheffield..... | do..... | 358,226 | 156 | | | | | | 2 | | 9 | 8 |
| Southampton..... | do..... | 100,886 | 29 | | | | | | | | | |
| South Shields..... | do..... | 99,922 | 29 | | | | | | | | | |
| Stettin..... | Mar. 12..... | 150,000 | 59 | | | | | | 2 | 2 | 1 | |
| Stockholm..... | do..... | 275,000 | 95 | | | | | | | 4 | | 3 |
| Stuttgart..... | Mar. 17..... | 162,934 | 64 | | | | | | | | | |
| Sunderland..... | Mar. 19..... | 143,849 | 57 | | | | | | | | 4 | 2 |
| Trapani..... | Mar. 12..... | 45,095 | 14 | | | | | | | | | |
| Trieste..... | do..... | 165,000 | 109 | | | | | | 1 | 1 | | |
| Vera Cruz..... | Mar. 24..... | 30,000 | 37 | | | | | | | | | |
| Vienna..... | Feb. 26..... | 1,574,129 | 641 | | | | | 2 | 2 | 17 | 23 | |
| Warsaw..... | Mar. 12..... | 601,308 | 228 | | | 7 | 2 | | 7 | 4 | 5 | 1 |
| Zurich..... | do..... | 158,968 | 69 | | | | | | | 3 | 1 | |

By authority of the Secretary of the Treasury :

WALTER WYMAN,
Supervising Surgeon-General U. S. Marine-Hospital Service.